

§ 1.136(a), and any fees required therefor (including fees for net addition of claims) are hereby authorized to be charged to our Deposit Account No. 19-0036.

Amendments

In the Specification:

Please substitute the paragraph beginning on page 4, line 21, with the following paragraph:

The isolated nucleic acid molecules of the present invention comprise, or alternatively consist of, polynucleotide molecules encoding the native TR1 receptor polypeptide having the amino acid sequence shown in Figure 1 (SEQ ID NO:2) or the amino acid sequence encoded by the cDNA clone deposited in a bacterial host as ATCC Deposit Number 75899 on September 29, 1994. The nucleotide sequence determined by sequencing the deposited native TR1 receptor clone, which is shown in Figure 1 (SEQ ID NO:1), contains an open reading frame encoding a polypeptide of 401 amino acid residues, including an initiation codon at positions 46-48 in Figure 1, with a leader sequence of about 21 amino acid residues, and a predicted molecular weight of about 46 kDa for the whole protein and about 44 kDa for the non-glycosylated mature protein. The amino acid sequence of the predicted mature native TR1 receptor protein is shown in Figure 1, amino acid residues about 22 to about 401 (SEQ ID NO:2).

B1

Please substitute the paragraph beginning on page 13, line 4, with the following paragraph:

B2

Figure 9 (A-B) shows a screening assay (ELISA) of polyclonal rabbit anti-TR1 antibodies. Polyclonal rabbit anti-TR1 antibodies were prepared by Pocono Rabbit Farm & Laboratory, Inc. (Canadensis, PA 18325) according to standard protocol. The rabbit serum was tested by ELISA. In particular, the plates were coated with TR1 (labeled as TNFr batch HG02900-1-B) for 2 hours at room temperature or overnight at 4°C. After washing with PBS, they were blocked with PBS with 1% BSA and 0.5% sodium azide at 4°C overnight. The PBS-BSA was flicked out of the well and test supernatants were added and incubated for 1 hour at room temperature. After 3 washes with PBS, 50 µl of anti-rabbit IgG horseradish peroxidase conjugate (1:1000 dilution in PBS with 1% BSA) was added and incubated at room temperature for 0.5-1 hr. After 3 washes with PBS, the substrate solution for IgG horseradish peroxidase was added to the plate and incubated at room temperature for 10-30 minutes. The reaction was stopped by adding 50 µl of 0.1 M EDTA. The absorbance was read at 450 nm.

Please substitute the paragraph beginning on page 14, line 28, with the following paragraph:

B3

In accordance with an aspect of the present invention, there is provided an isolated nucleic acid molecule comprising, or alternatively consisting of, a polynucleotide encoding the predicted mature native TR1 receptor polypeptide having the deduced amino acid sequence of Figure 1 (SEQ ID NO:2) or for the mature native TR1 receptor polypeptide encoded by the cDNA of the clone which was deposited on September 29, 1994 at the American Type Culture Collection, Patent Depository, 10801 University Boulevard, Manassas, VA 20110-2209, and given accession

B3
cont.

number 75899. The nucleotide sequence shown in Figure 1 (SEQ ID NO:1) was obtained by sequencing the HSABH13 clone deposited with the ATCC. The deposited clone is contained in the pBluescript SK(-) plasmid (Stratagene, LaJolla, CA).

In the Claims:

✓
Please cancel claims 41, 50, and 61-66 without prejudice or disclaimer of the subject matter therein.

✓
Please substitute the following claim 39 for the pending claim 39:

39. (Once amended) An isolated antibody, which specifically binds a protein selected from the group consisting of:

B4

- (a) a protein whose sequence consists of the amino acid sequence encoded by ATCC Deposit No. 75899;
 - (b) a protein whose sequence consists of the amino acid sequence of 50 contiguous amino acids encoded by ATCC Deposit No. 75899; and
 - (c) a protein whose sequence consists of the amino acid sequence of 30 contiguous amino acids encoded by ATCC Deposit No. 75899.
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Please substitute the following claim 48 for the pending claim 48:

48. (Once amended) An isolated antibody fragment, which specifically binds a protein selected from the group consisting of:

- B5
- (a) a protein whose sequence consists of the amino acid sequence encoded by ATCC Deposit No. 75899;
 - (b) a protein whose sequence consists of the amino acid sequence of 50 contiguous amino acids encoded by ATCC Deposit No. 75899; and
 - (c) a protein whose sequence consists of the amino acid sequence of 30 contiguous amino acids encoded by ATCC Deposit No. 75899.
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